Sneha Karki

+(91)-7668236690 | sneha25karki@gmail.com | Linkedin | Github

EDUCATION

Graphic Era University   Oct. 2021 – June 2025
Bachelor of Technology in Computer Science 9.01 CGPA   *Dehradun, Uttarakhand*

EXPERIENCE

PayPal   May 2024 – August 2024
Software Engineer Intern   *Hyderabad, India*
- Build a cookie banner for charegehound (a paypal service)
- Integrated and built the APIs for the **Redis Queues Management Dashboard** using **Python** as the backend language along with **Tornado** web framework
- Optimised searching and filtering logic for the dashboard to reduce complexity and increase **efficiency by 80%**
- Programmed front-end for the dashboard in order to make user interaction smooth and easy using **ReactJS** framework.
- Developed and executed unit tests for Python APIs, achieving **86%** code coverage.

Cehpoint E-Learning & Cyber security solutions   Sept. 2023 – December 2023
Application development Intern   *Remote*
- Developed food domain of the Thaiseva app, integrating features such as car booking, hotel reservation, food ordering, and user chat functionalities.
- Utilized Dart programming language and the Flutter framework for building a responsive and dynamic frontend.
- Managed the app's database using Firebase, ensuring seamless data storage and retrieval.
- Integrated Google Maps API for accurate user location tracking within the application.
- Implemented Instamojo for secure and efficient payment processing, enhancing the overall user experience.
- Additionally, created a restaurant portal enabling eateries to register and showcase their dishes in the Thaiseva app

PROJECTS

Medical AI - Chest X-ray Classification | *Python, TensorFlow, Image Processing*   January 2024
- Designed a model trained to distinguish between images showing the presence of a specific medical condition (e.g., atelectasis) and images with no disease.
- Implemented Transfer Learning to create convolutional neural network (CNN) model for binary classification based on a pretrained model, InceptionV3.

Companion App- Mental Health Tracking App | *Flutter, Firebase, Android Studio*   June 2023
- Created an Android application using Dart, Flutter and Android Studio that provides users with basic utilities to maintain their mental well-being
- Implemented utilities like water reminder, to-do list, breathing exercises, and a facility of booking a therapist.
- Incorporated Cloud Firestore to handle real time data and Authentication services to make the sign-in/login process easier.

Font Recognition - Using Machine Learning | *Image Classification*   January 2023
- Designed a deep learing model with the goal of Font detection
- Used a CNN model to classify a given image into one of five different font types: Lato, Raleway, Roboto, Sansation, and Walkway.
- Implemented image augmentation methods to diversify the dataset.

TECHNICAL SKILLS

Languages: C, C++, Java, Dart, Python, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, GitHub, Android Studio
Technologies/Frameworks: Image Processing, ReactJS, Tornado, Google SDK Flutter, TensorFlow
Database Tools: Firebase, MySQL, Redis

EXTRACURRICULAR

Kavyanjali Literary Society   April 2022 – December 2022
Content Writer   *Graphic Era University*
- Penned content for social media sites of the club as well as magazines.
- Helped in organising domestic level events for the club